

# BRAC 133 Transportation Management Plan

May 19, 2010

Presentation to BRAC Advisory Group



US Army Corps  
of Engineers®



# Agenda

- Roles & Responsibilities
- Status of the TMP
- Preview of Analysis
- Preview of the TMP
- Recap of TMP Timeline



# Roles & Responsibilities

- USACE / SAIC
  - Developing TMP
    - Including conducting traffic analysis and identifying TDM strategies
- WHS / Battelle
  - Coordinating with tenants and employees
    - Including conducting employee survey and obtaining employee home zip codes
  - Developing plan for (and operating) DoD shuttles
  - Executing TMP



# Status of the TMP

- Activities over the past month
  - Submitted first draft of document to USACE & WHS for internal review last week
- Next steps
  - Document will be available for your review in 2 weeks (after June 2<sup>nd</sup>)
  - June meeting will include a presentation summarizing the TMP
- Tonight
  - Addressing comments and questions that have come up since the last BRAC Advisory Group meeting



# Preview of Analysis

- Determining origin points for employees
- Projecting future mode split
- Projecting traffic to the site



# Preview of Analysis:

## Origin Points for Employees

- Zip code data for TMP was obtained from human resources records in late 2009
  - Includes ALL federal employees who will be moving
    - Excellent sample at 70% of total building population
    - Scaled up numbers to represent total of 6,409 employees

*Environmental assessment (July 2008) presented slightly different data as it was based on preliminary estimates of who would be relocating*



# Preview of Analysis:

## Projecting Mode Split

- What modes are viable or feasible for employees based on where they live
- Current mode use for employees and what mode they expect to use in the future (WHS 2009 employee survey)
  - Provides some sense of how “open” employees are to alternate modes such as vanpool, carpool, and transit
  - Provides insight into which bus routes and rail lines employees currently use
  - Many existing VRE and Metrorail riders will use the DoD shuttle for the last leg of their trip



# Preview of Analysis:

## Projecting Traffic to the Site

- Determined how many trips will be originating from each jurisdiction and zip code based on mode split analysis
- Noted the possible entry points to the study area
  - Seminary Road (from the east or west)
  - Beauregard Street (from the north or south)
  - Southern Towers
  - I-395 (from the north or south)
- Distributed trips such that trips from each origin point enter the study area via the most viable entry points for that origin





# Preview of Analysis: Study Area for Traffic Study



# Preview of the TMP

- Introduction and background about the site
- Background about the employee relocation and characteristics of the employees
- Findings of traffic analysis of the study area
- Travel demand management (TDM) plan for the site to encourage alternate modes of access aside from single occupant vehicle (SOV)
- A monitoring and evaluation plan to support WHS in setting goals and monitoring those goals over time



# Preview of the TMP: Traffic Analysis

- Micro-simulation model of the study area rather than a full planning-level origin-destination analysis
- Presents level of service analysis for intersections within the study area as well as an operational analysis for the entire study area including I-395 mainline and I-395 on/off-ramps
- Identifies problem areas and provides recommendations for improvements
  - These improvements require participation from a range of stakeholders including VDOT and the City of Alexandria



# Preview of the TMP: TDM Plan

- Presents a wide range of TDM strategies including:
  - Mandatory employee enrollment into BRAC 133 Trans. Mgmt. Program
  - Individualized programs and incentives for transit, ridesharing, bike/walk
  - Transportation Program managed by trained Transportation Coordinators for one-on-one, personalized commute assistance
  - Rigorous marketing and commuter education program within nine months of relocation
  - Increased flex/compressed schedule & telework targets



# Recap of TMP Timeline

|  |                 |
|--|-----------------|
| First draft of TMP to Corps of Engineers   | 14 May          |
| TMP team briefing to BRAC Advisory Group   | 19 May          |
| Draft TMP to City of Alexandria for review and for distribution to BRAC Advisory Group | 2 June          |
| TMP team briefing to BRAC Advisory Group   | 16 June         |
| BRAC Advisory Group provides comments to the City of Alexandria                        | TBD by the City |
| City of Alexandria provides consolidated comments from BRAC Advisory Group to TMP team | 13 July         |
| Draft Final TMP to NCPC  | 30 July         |



For questions, contact:

Merissa Lara, USACE

703-820-7867

[Merissa.L.Lara@usace.army.mil](mailto:Merissa.L.Lara@usace.army.mil)

